

Figure 1–9 The 11 organ systems of the human body are shown in the chart. Which of these systems are you using right now?

SYSTEMS OF THE HUMAN BODY

System	Functions
Skeletal	Protects, supports, allows movement, produces blood cells, and stores minerals
Muscular	Allows body movement and maintains posture
Digestive	Breaks down food and absorbs nutrients
Circulatory	Transports nutrients, wastes, and other materials and plays a role in the immune response
Respiratory	Exchanges oxygen and carbon dioxide between blood and air
Excretory	Removes solid and liquid wastes
Nervous	Detects sensation and controls most functions
Endocrine	Plays a part in the regulation of metabolism, reproduction, and many other functions
Reproductive	Performs reproduction and controls male and female functions and behaviors
Immune	Controls the immune response and fights disease
Integumentary (skin)	Protects, regulates temperature, prevents water loss

ACTIVITY

WRITING

Organs and Organ Systems

On a sheet of paper, copy the following chart.

Organ	Organ System
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lung	
small intestine	
kidney	
brain	
rib	
heart	
thyroid gland	
biceps	
skin	
pancreas	

Using books in the library, find out the name of the organ system to which each organ belongs. Write the name of the organ system next to the proper organ. Now expand this list by adding other organs you have heard of or read about. Find out to which organ system each of these organs belongs.

1–2 Section Review

1. List the levels of organization in humans.
2. What are the four basic types of human tissues?
3. List the organ systems of the human body.

Connection—You and Your World

4. Using a bicycle or any type of machine as an example, explain how each part of the machine works with every other part so that the machine can do its job. Compare this with the way the systems of the body work together.